

CLAIMS

1. A three wheel vehicle, comprising:
 - a frame having a front portion and a rear portion;
 - 5 a pair of front wheels rotatably connected to the front portion of the frame;
 - a single rear wheel rotatably connected to the rear portion of the frame;
 - a straddle vehicle seat connected to the frame;
 - an engine connected to the frame, the engine providing power to drive at least one of
 - the single rear wheel and the pair of front wheels; and
 - 10 a radiator for cooling the engine, the radiator including a first radiator and a second radiator.
2. A three wheel vehicle according to claim 1, wherein the first radiator is located on one side of the frame and the second radiator is located on an opposite side of the frame.
3. A three wheel vehicle according to claim 1 to 2, wherein the second radiator is spaced
- 15 apart from and is fluidly connected to the first radiator.
4. The three wheel vehicle according to claim 1 to 3, wherein each of the first and second radiators are located rearwardly of the pair of front wheels.
5. The three wheel vehicle according to claim 1 to 4, wherein each of the first and second radiators is disposed at an angle with respect to a vertical axis of the vehicle.
- 20 6. The three wheel vehicle according to claim 1 to 5, wherein each of the first and second radiators is disposed at an angle with respect to a longitudinal axis of the vehicle.
7. The three wheel vehicle according to claim 1 to 6, wherein each of the first and second radiators is disposed substantially parallel to a longitudinal axis of the vehicle.
8. The three wheel vehicle according to claim 1 to 7, wherein at least one of the first
- 25 radiator and second radiator includes a fan assembly for directing air through at least one of the first radiator and second radiator.
9. The three wheel vehicle according to claim 8, wherein each fan assembly is arranged to direct a flow of air towards a centerline of the vehicle, whereby the flow of air flushes hot air away from the engine.
- 30 10. The three wheel vehicle according to claim 1 to 9, further comprising a fairing assembly enclosing at least the front portion of the frame, the fairing assembly including a first radiator enclosure for enclosing at least a portion of the first radiator and a second radiator enclosure for enclosing at least a portion of the second radiator.
11. The three wheel vehicle according to claim 10, wherein at least one of the first radiator
- 35 enclosure and the second radiator enclosure includes a venting assembly for selectively venting air from at least one of the first and second radiator enclosures, the venting assembly

being movable between an open position in which air from at least one of the first and second radiator enclosures is directed onto the rider and a closed position.

12. A three wheel vehicle according to claim 1 to 11, further comprising a cavity located in a front portion of the frame.

5 13. The three wheel vehicle according to claim 12, wherein the cavity is positioned between the first radiator and the second radiator.

14. The three wheel vehicle according to claim 12 to 13, wherein the cavity includes a cover to provide access to the cavity when the cover is at an open position.

10 15. The three wheel vehicle according to claim 12 to 14, further comprising a removable storage compartment located within the cavity.

16. The three wheel vehicle according to claim 12 to 15, wherein the cavity provides access to an engine service center.

15 17. A straddle type three wheel vehicle for at least two riders, comprising:
a tubular frame having a front portion and a rear portion, the tubular frame having a head pipeless construction;

a pair of front wheels rotatably connected to the front portion of the frame;

a single rear wheel rotatably connected to the rear portion of the frame, each of the pair of front wheels and the single rear wheel including a tire suitable for road use;

20 a straddle vehicle seat connected to the frame, the seat being sized to accommodate at least two riders;

an engine connected to the frame, the engine providing power to drive at least one of the single rear wheel and the pair of front wheels; and

a vehicle suspension system operatively connected to at least one of the pair of front wheels and the single rear wheel.

25 19. The three wheel vehicle according to claim 17, further comprising a radiator for cooling the engine including a first radiator and a second radiator.

16 18. The three wheel vehicle according to claim 18, wherein the first radiator is located on one side of the frame and the second radiator is located on an opposite side of the frame.

30 20. The three wheel vehicle according to claim 17 to 19, wherein the tire capable of road use is a tire having a pressure of between 138 kPa [20 psi] and 345 kPa [50 psi].